

ABSTRACT

Hybrid riser configuration comprising a plurality of steel riser pipes (10) substantially inserted in aluminum guide conduits (9), with buoyancy means (6) and tethering tension means, the guide conduits (9) and the riser pipes (10) being rigidly connected to a base (5) anchored to the ocean floor. The guide conduits (9) serve as the tethering tension means and as radial constraint for the respective riser pipe (10) therein to allow the riser pipe to buckle in elastic deformation (Euler) to form a spiral when expanding due to service pressure and temperature. A method for installing the riser configuration is also disclosed.